

# इंटरनेट

# मानक

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Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 10956 (1984): Welding Coupling Body for Oil Hydraulic Couplings [PGD 17: Fluid Power Fittings, Hoses and Hose Assemblies]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”



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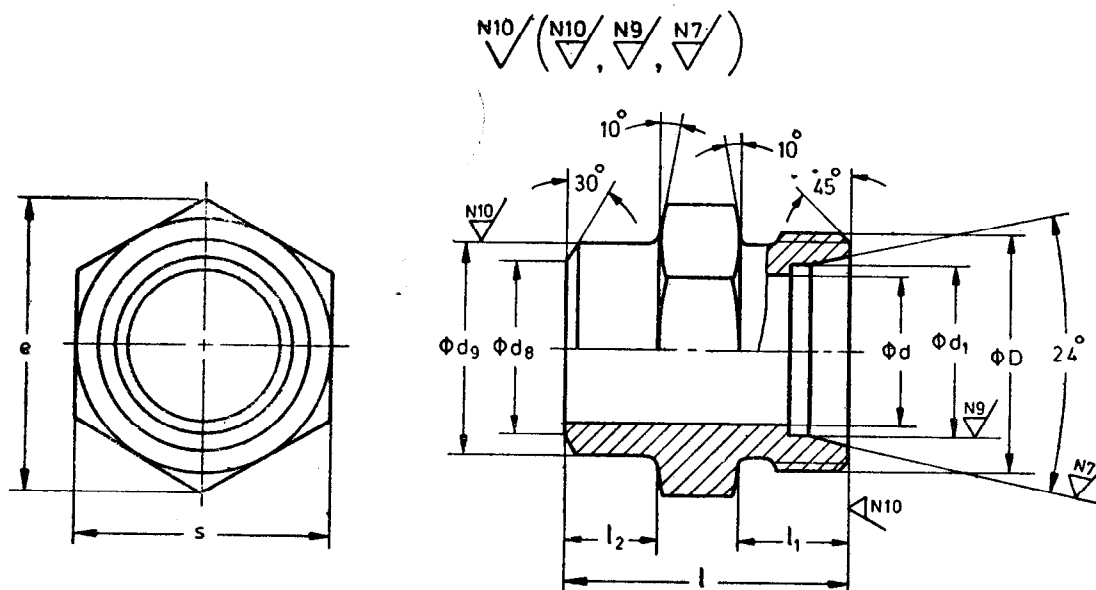
Indian Standard

# SPECIFICATION FOR WELDING COUPLING BODY FOR OIL HYDRAULIC COUPLINGS

**1. Scope** — Specifies the dimensions, material and other requirements for welding coupling body for use in oil-hydraulic systems.

**2. Dimensions** — Shall be as given in Table 1.

TABLE 1 DIMENSIONS FOR WELDING COUPLING BODY



All dimensions in millimetres.

Series	Outside Dia of Tube	D*	d	d <sub>1</sub> B11	d <sub>8</sub>	d <sub>9</sub>	l <sub>1</sub> +0.2	l <sub>2</sub> Min	l ±0.3	e	s†
Light L	6	M12×1.5	4	6	6	10	10	7	21	13.8	12
	8	M14×1.5	6	8	8	12	10	8	23	16.2	14
	10	M16×1.5	8	10	10	14	11	8	25	19.6	17
	12	M18×1.5	10	12	12	16	11	8	25	21.9	19
	16	M22×1.5	12	15	15	19	12	10	29	25.4	22
	18	M26×1.5	15	18	18	22	12	10	31	31.2	27
	22	M30×2	19	22	22	27	14	12	36	36.9	32
	28	M36×2	24	28	28	32	14	12	38	47.3	41
	35	M45×2	30	35	35	40	16	14	43	53.1	46
	42	M52×2	36	42	42	46	16	16	46	63.5	55
Heavy H	6	M14×1.5	4	6	6	11	12	7	26	16.2	14
	8	M16×1.5	5	8	8	13	12	8	28	19.6	17
	10	M18×1.5	7	10	10	15	12	8	30	21.9	19
	12	M20×1.5	8	12	12	17	12	10	32	25.4	22
	14	M22×1.5	10	14	14	19	14	10	35	27.7	24
	16	M24×1.5	12	16	16	21	14	10	35	31.2	27
	20	M30×2	16	20	20	26	16	12	40	36.9	32
	25	M36×2	20	25	24	31	18	12	44	47.3	41
	30	M42×2	25	30	29	36	20	14	49	53.1	46
	38	M52×2	32	38	36	44	22	16	54	63.5	55

\*Threads Class 6g conforming to IS : 4218 (Part IV) — 1976 'ISO metric screw threads: Part IV Tolerancing system (first revision)'.  
†Tolerances on s: h13 for 's' up to 32 mm.  
h14 for 's' above 32 mm.

Adopted 25 July 1984

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**3. Material** — Steel conforming to designation 14C14S14 of IS : 4431-1978 'Specification for carbon and carbon-manganese free-cutting steel ( *first revision* ) or any other steel as agreed to between the user and the manufacturer.

**4. Surface Protection** — Coupling bodies shall be phosphated to Class A2 of IS : 3618-1966 'Specification for phosphate treatment of iron and steel for protection against corrosion' unless otherwise agreed to between the user and the manufacturer.

**5. General Requirements**

**5.1** These coupling bodies are intended for assembly in accordance with IS : 10978-1984 ' Specification for welding coupling assembly for oil hydraulic systems '.

**5.2** For the details not covered in this standard, reference shall be made to IS : 8805 ( Part 1 )-1978 ' General requirements for ferrule type couplings used in oil-hydraulic systems: Part 1 General '.

**6. Designation** — A welding coupling body of light series 'L' for outside diameter of tube 6 mm and conforming to this standard shall be designated as:

Coupling Body L6 IS : 10956

**7. Marking** — Shall be marked with designation and the manufacturer's name or trade-mark.

**7.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

**EXPLANATORY NOTE**

In the preparation of this standard, considerable assistance has been derived from DIN 3909-1965 'Non-soldered taper bush type pipe unions; single ended union for use with union nut', issued by the Deutsches Institut für Normung (DIN).